



DECLARATION FOR PATENT APPLICATION

As the below-named inventors, we hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled BUTYRYLCHOLINESTERASE VARIANTS AND METHODS OF USE, the specification of which

____ is attached hereto as Attorney Docket No. ____).
X was filed on December 26, 2000, as Application
Serial No. 09/748,739 (Attorney Docket No.
P-IX 4143).

and was amended on (or amended through) _____.
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to myself to be material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56.

Under Sec. 1.56, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or (2) It

Inventors: Lockridge and Watkins
Serial No.: 09/748,739
Filed: December 26, 2000
Page 2 of 3

refutes, or is inconsistent with, a position the applicant takes in: (a) Opposing an argument of unpatentability relied on by the U.S. Patent and Trademark Office, or (b) Asserting an argument of patentability.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor:	Oksana Lockridge
Inventor's signature:	<u>Oksana Lockridge</u>
Date:	<u>9 February 2001</u>
Residence:	Bellevue, Nebraska USA
Citizenship:	United States of America
Post Office Address:	613 Martin Drive N. Bellevue, Nebraska 68005-4732

Inventors: Lockridge and Watkins
Serial No.: 09/748,739
Filed: December 26, 2000
Page 3 of 3

Full name of second inventor:

Jeffrey D. Watkins

Inventor's signature:

Jeffrey D. Watkins

Date:

5-11-01

Residence:

Encinitas, California USA

Citizenship:

United States of America

Post Office Address:

455 Jolina Way
Encinitas, California 92024



EXECUTED DECLARATION FOR PATENT
APPLICATION
P-IX 4143
Serial No.: 09/748,739

I hereby certify that this correspondence is being deposited with
the United States Postal Service as first class mail in an
envelope addressed to: Box Missing Parts, Commissioner for
Patents, Washington, D.C. 20231, on May 30, 2001.

By *Astrid R. Spain*
Astrid R. Spain, Reg. No. 47,956

May 30, 2001
Date of Signature



EXECUTED ASSIGNMENT AND RECORDATION
FORM COVER SHEET
P-IX 4143
Serial No.: 09/748,739

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EXECUTED ASSIGNMENT AND RECORDATION
FORM COVER SHEET
P-IX 4143
Serial No.: 09/748,739

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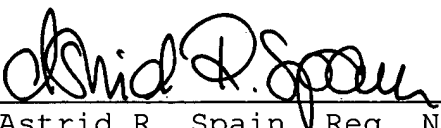
By Astrid R. Spain
Astrid R. Spain, Reg. No. 47,956

May 30, 2001
Date of Signature



EXECUTED VERIFIED STATEMENT
(DECLARATION) CLAIMING SMALL ENTITY
STATUS
P-IX 4143
Serial No.: 09/748,739

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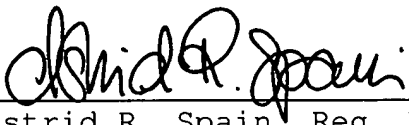
By 
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May 30, 2001
Date of Signature



EXECUTED VERIFIED STATEMENT
(DECLARATION) CLAIMING SMALL ENTITY
STATUS
P-IX 4143
Serial No.: 09/748,739

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By 
Astrid R. Spain, Reg. No. 47,956

May 30, 2001
Date of Signature



EXECUTED POWER OF ATTORNEY
P-IX 4143
Serial No.: 09/748,739

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By Astrid R. Spain
Astrid R. Spain, Reg. No. 47,956
May 30, 2001
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EXECUTED POWER OF ATTORNEY
P-IX 4143
Serial No.: 09/748,739

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By Astrid R. Spain
Astrid R. Spain, Reg. No. 47,956
May 30, 2001
Date of Signature



EXECUTED STATEMENT UNDER 37 C.F.R.
§ 3.73 (b)
P-IX 4143
Serial No.: 09/748,739

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By Astrid R. Spain
Astrid R. Spain, Reg. No. 47,956

May 30, 2001
Date of Signature



STATEMENT UNDER 37 C.F.R. § 3.73(b)

Title of Application: BUTYRYLCHOLINESTERASE VARIANTS AND
METHODS OF USE

Application Ser. No.: 09/748,739

Filed: December 26, 2000

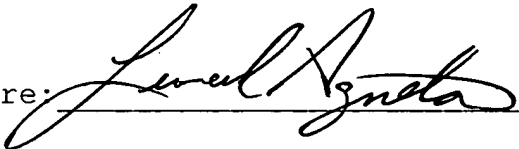
Inventor(s): Oksana Lockridge and Jeffry D. Watkins

Attorney Docket No.: P-IX 4143

The BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, by and on behalf of the UNIVERSITY OF NEBRASKA MEDICAL CENTER, a non-profit organization, states that it is a joint assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the co-inventor Oksana Lockridge of the application. A copy of the executed assignment, submitted for recording, is attached hereto as documentary evidence of the chain of title to the assignee.

The undersigned is empowered to sign this statement on behalf of the assignee.

Date: 2/12/2001

Signature: 

Name: Leonard Agneta, J.D., B.S.M.T

Title: UNMC Patent Attorney

COPY

ASSIGNMENT

This Assignment is made by Oksana Lockridge of Bellevue, Nebraska, USA, Assignor, to The BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, by and on behalf of the UNIVERSITY OF NEBRASKA MEDICAL CENTER, Assignee, having a place of business at 986099 Nebraska Medical Center, Omaha, Nebraska, 68198-6099, USA.

WHEREAS, Assignor is a joint inventor of a new and useful BUTYRYLCHOLINESTERASE VARIANTS AND METHODS OF USE for which an application for United States Letters Patent was filed on December 26, 2000, in the United States Patent and Trademark Office, bearing Serial No. 09/748,739, and identified as Attorney Docket No. P-IX 4143.

WHEREAS, Assignor believes that Assignor is one of the original joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, the parties desire to have a recordable instrument assigning the entirety of Assignor's right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, in accordance with the obligations to assign the invention and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor sells, assigns, and transfers to Assignee, the entirety of Assignor's right, title, and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Assignor agrees that, upon request and without further compensation, but at no expense to Assignor, Assignor and Assignor's legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Inventors: Lockridge and Watkins
Serial No.: 09/748,739
Filed: December 26, 2000
Page 2 of 2

Assignor represents and warrants that Assignor has not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignor authorizes and requests the Director of the United States Patent and Trademark Office and all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed divisional, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as an assignee of the entirety of Assignor's interest in said invention.

IN WITNESS WHEREOF, Assignor has executed this Assignment on the date(s) provided below.

Assignor: Oksana Lockridge

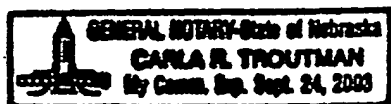
Oksana Lockridge 8Feb2001
Signature Date

STATE OF Nebraska)
COUNTY OF Douglas)

On February 8, 2001, before me, Carla R. Troutman
personally appeared Oksana Lockridge,
personally known to me - OR - proved to me on the basis
of satisfactory evidence to be the person) whose name is
subscribed to the within instrument and acknowledged to me that
she executed the same in her authorized capacity, and that by her
signature on the instrument the person, or the entity upon behalf
of which the person acted, executed the instrument.

WITNESS by hand and official seal.

Carla R. Troutman
(Signature of Notary)





EXECUTED STATEMENT UNDER 37 C.F.R.
§ 3.73 (b)
P-IX 4143
Serial No.: 09/748,739

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Missing Parts, Commissioner for Patents, Washington, D.C. 20231, on May 30, 2001.

By Astrid R. Spain
Astrid R. Spain, Reg. No. 47,956

May 30, 2001
Date of Signature



STATEMENT UNDER 37 C.F.R. § 3.73(b)

Title of Application: BUTYRYLCHOLINESTERASE VARIANTS AND
METHODS OF USE

Application Ser. No.: 09/748,739

Filed: December 26, 2000

Inventor(s): Oksana Lockridge and Jeffry D. Watkins

Attorney Docket No.: P-IX 4143

APPLIED MOLECULAR EVOLUTION, a corporation, states that it is a joint assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the co-inventor Jeffry D. Watkins of the application. A copy of the executed assignment, submitted for recording, is attached hereto as documentary evidence of the chain of title to the assignee.

The undersigned is empowered to sign this statement on behalf of the assignee.

Date: 5-21-01

Signature: Jeffry D. Watkins

Name: JEFFRY WATKINS, Ph.D.

Title: VICE PRESIDENT - RESEARCH

COPY

ASSIGNMENT

This Assignment is made by Jeffry D. Watkins of Encinitas, California, USA, Assignor, to APPLIED MOLECULAR EVOLUTION, Assignee, having a place of business at 3520 Dunhill Street, San Diego, California, 92121, USA.

WHEREAS, Assignor is a joint inventor of a new and useful BUTYRYLCHOLINESTERASE VARIANTS AND METHODS OF USE for which an application for United States Letters Patent was filed on December 26, 2000, in the United States Patent and Trademark Office, bearing Serial No. 09/748,739, and identified as Attorney Docket No. P-IX 4143.

WHEREAS, Assignor believes that Assignor is one of the original joint inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, the parties desire to have a recordable instrument assigning the entirety of Assignor's right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, in accordance with the obligations to assign the invention and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor sells, assigns, and transfers to Assignee, the entirety of Assignor's right, title, and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Assignor agrees that, upon request and without further compensation, but at no expense to Assignor, Assignor and Assignor's legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Inventors: Lockridge and Watkins
Serial No.: 09/748,739
Filed: December 26, 2000
Page 2 of 2

Assignor represents and warrants that Assignor has not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignor authorizes and requests the Director of the United States Patent and Trademark Office and all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed divisional, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as an assignee of the entirety of Assignor's interest in said invention.

IN WITNESS WHEREOF, Assignor has executed this Assignment on the date(s) provided below.

Assignor: Jeffry D. Watkins

Jeffry D. Watkins
Signature

5-22-01
Date

STATE OF California)
COUNTY OF San Diego)

On May 22, 2001, before me, R. Debra Hutchison,
personally appeared JEFF WATKINS,

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS by hand and official seal.

R. Debra Hutchison
(Signature of Notary)





SEQUENCE LISTING IN COMPUTER
READABLE FORM
P-IX 4143
Serial No.: 09/748,739

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By *Astrid R. Spain*
Astrid R. Spain, Reg. No. 47,956

May 30, 2001
Date of Signature



PAPER COPY OF SEQUENCE LISTING,
PAGES 1 THROUGH 34
P-IX 4143
Serial No.: 09/748,739

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By 
Astrid R. Spain, Reg. No. 47,956

May 30, 2001
Date of Signature

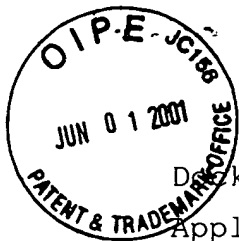


ELEVEN SHEETS OF FORMAL DRAWINGS
P-IX 4143
Serial No.: 09/748,739

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By Astrid R. Spain
Astrid R. Spain, Reg. No. 47,956

May 30, 2001
Date of Signature



Docket No.: P-IX 4143
Applicants: Oksana Lockridge and Jeffry D. Watkins
Serial No.: 09/748,739
Filed: December 26, 2000
For: BUTYRYLCHOLINESTERASE VARIANTS AND METHODS OF USE

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(d)) NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

NAME OF NONPROFIT ORGANIZATION: The BOARD OF REGENTS OF THE
UNIVERSITY OF NEBRASKA, by and
on behalf of the UNIVERSITY OF
NEBRASKA MEDICAL CENTER

ADDRESS OF NONPROFIT ORGANIZATION: 986099 Nebraska Medical Center
Omaha, Nebraska 68198-6099

TYPE OF NONPROFIT ORGANIZATION:

- ☒ UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION
- ☐ TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3))
- ☐ NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA
(NAME OF STATE _____)
(CITATION OF STATUTE _____)
- ☐ WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA
- ☐ WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA
(NAME OF STATE _____)
(CITATION OF STATUTE _____)

Inventors: Lockridge and Watkins
Serial No.: 09/748,739
Filed: December 26, 2000
Page 2 of 3

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees to the United States Patent and Trademark Office regarding the invention entitled BUTYRYLCHOLINESTERASE VARIANTS AND METHODS OF USE by inventors Oksana Lockridge and Jeffry D. Watkins described in:

[] the specification filed herewith
[x] application serial no. 09/748,739, filed December 26, 2000.
[] patent no. , issued

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization regarding the above-identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any persons, other than the inventors, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME: APPLIED MOLECULAR EVOLUTION
ADDRESS: 3520 Dunhill Street
San Diego, California 92121

[x] SMALL BUSINESS CONCERN

Inventors: Lockridge and Watkins
Serial No.: 09/748,739
Filed: December 26, 2000
Page 3 of 3

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

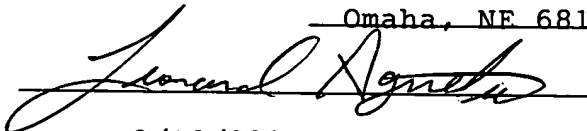
Name of Person Signing: Leonard Agneta, J.D., B.S.M.T

Title in Organization of Person Signing: UNMC Patent Attorney

Address of Person Signing: 986099 Nebraska Medical Center

Omaha, NE 68198-6099

Signature:



Date:

2/12/2001



Docket No.: P-IX 4143
Applicants: Oksana Lockridge and Jeffry D. Watkins
Serial No.: 09/748,739
Filed: December 26, 2000
For: BUTYRYLCHOLINESTERASE VARIANTS AND METHODS OF USE

**VERIFIED STATEMENT (DECLARATION) CLAIMING
SMALL ENTITY STATUS (37 CFR 1.9(F) AND 1.27(C))**

SMALL BUSINESS CONCERN

I hereby declare that I am

☐ the owner of the small business concern identified below:

☒ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF SMALL BUSINESS CONCERN: APPLIED MOLECULAR EVOLUTION
ADDRESS OF SMALL BUSINESS CONCERN: 3520 Dunhill Street
San Diego, California 92121

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.12, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

Inventors: Lockridge and Watkins
Serial No.: 09/748,739
Filed: December 26, 2000
Page 2 of 3

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled
BUTYRYLCHOLINESTERASE VARIANTS AND METHODS OF USE by inventors
Oksana Lockridge and Jeffry D. Watkins as described in

☐ the specification filed herewith
☒ application serial no. 09/748,739, filed December 26, 2000.
☐ patent no. , issued

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME: The BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, by
and on behalf of the UNIVERSITY OF NEBRASKA MEDICAL
CENTER

ADDRESS: 986099 Nebraska Medical Center
Omaha, Nebraska 68198-6099

☒ NONPROFIT ORGANIZATION

Inventors: Lockridge and Watkins
Serial No.: 09/748,739
Filed: December 26, 2000
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: DR. JEFFRY WATKINS
TITLE IN ORGANIZATION: VICE PRESIDENT- RESEARCH
ADDRESS OF PERSON SIGNING: 3520 DUNHILL STREET
SAN DIEGO, CA 92121

SIGNATURE:

Jeffry D. Watkins

DATE:

5-21-01



POWER OF ATTORNEY FOR PATENT APPLICATION BY ASSIGNEE

Assignee, the BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, by and on behalf of the UNIVERSITY OF NEBRASKA MEDICAL CENTER, is the co-owner of the entire right, title and interest of U.S. patent application Serial No. 09/748,739, filed on December 26, 2000, as attorney docket number P-IX 4143, and entitled BUTYRYLCHOLINESTERASE VARIANTS AND METHODS OF USE and any subsequently filed divisional, continuation, continuation-in-part or reissue application, including international and foreign applications claiming priority thereto.

The Assignee hereby appoints the following attorneys to prosecute these applications and to transact all related business in the United States Patent and Trademark Office and any international and foreign patent offices:

CATHRYN CAMPBELL, Registration No. 31,815; DAVID A. GAY, Registration No. 39,200; CALVIN A. FAN, Registration No. 38,444; ROBERT T. RAMOS, Registration No. 37,915; ANDREA L. GASHLER, Registration No. 41,029; JAMES J. WONG, Registration No. 34,949; DEBORAH L. CADENA, Registration No. 44,048; and MELANIE K. WEBSTER, Registration No. 45,201.

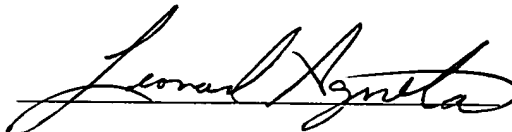
Please direct all telephone calls to Cathryn Campbell at (858) 535-9001 and address all correspondence to:

CATHRYN CAMPBELL
CAMPBELL & FLORES LLP
4370 La Jolla Village Drive
7th Floor
San Diego, California 92122
USPTO CUSTOMER NO. 23601

Inventors: Lockridge and Watkins
Serial No.: 09/748,739
Filed: December 26, 2000
Page 2 of 2

The undersigned is authorized to sign on behalf of the
Assignee.

Signature:



Name (typed):

Leonard Agneta, J.D., B.S.M.T

Title:

UNMC Patent Attorney

Assignee:

The BOARD OF REGENTS OF THE
UNIVERSITY OF NEBRASKA, by and on
behalf of the UNIVERSITY OF
NEBRASKA MEDICAL CENTER

Date:

2/21/2001



POWER OF ATTORNEY FOR PATENT APPLICATION BY ASSIGNEE

Assignee, APPLIED MOLECULAR EVOLUTION, is the co-owner of the entire right, title and interest of U.S. patent application Serial No. 09/748,739, filed on December 26, 2000, as attorney docket number P-IX 4143, and entitled BUTYRYLCHOLINESTERASE VARIANTS AND METHODS OF USE and any subsequently filed divisional, continuation, continuation-in-part or reissue application, including international and foreign applications claiming priority thereto.

The Assignee hereby appoints the following attorneys to prosecute these applications and to transact all related business in the United States Patent and Trademark Office and any international and foreign patent offices:

CATHRYN CAMPBELL, Registration No. 31,815; DAVID A. GAY, Registration No. 39,200; CALVIN A. FAN, Registration No. 38,444; ROBERT T. RAMOS, Registration No. 37,915; ANDREA L. GASHLER, Registration No. 41,029; JAMES J. WONG, Registration No. 34,949; DEBORAH L. CADENA, Registration No. 44,048; and MELANIE K. WEBSTER, Registration No. 45,201.

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The undersigned is authorized to sign on behalf of the
Assignee.

Signature: Jeffery D. Watkins
Name (typed): JEFFERY WATKINS, PH.D.
Title: VICE PRESIDENT - RESEARCH
Assignee: APPLIED MOLECULAR EVOLUTION
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